

WHAT IS CLAIMED IS:

1. A donor member comprising a substrate and thereover a coating comprising ceramic and metal.
2. A donor member in accordance with claim 1, wherein said ceramic is selected from the group consisting of alumina, chromium oxide, silicon nitride, silicone carbide, zirconium, and mixtures thereof.
3. A donor member in accordance with claim 2, wherein said ceramic is alumina.
4. A donor member in accordance with claim 1, wherein said ceramic is present in said coating in an amount of from about 80 to about 99 percent by weight of total solids.
5. A donor member in accordance with claim 4, wherein said ceramic is present in said coating in an amount of from about 90 to about 92 percent by weight of total solids.
6. A donor member in accordance with claim 1, wherein said metal is selected from the group consisting of molybdenum, tungsten, tantalum, and mixtures thereof.
7. A donor member in accordance with claim 6, wherein said metal is molybdenum.

8. A donor member in accordance with claim 1, wherein said metal is present in said coating in an amount of from about 1 to about 20 percent by weight of total solids.

9. A donor member in accordance with claim 8, wherein said metal is present in said coating in an amount of from about 10 to about 12 percent by weight of total solids.

10. A donor member in accordance with claim 1, wherein said ceramic is alumina and said metal is molybdenum.

11. A donor member in accordance with claim 1, wherein said coating has a resistivity of from about 10^3 to about 10^{10} ohms-cm.

12. A donor member in accordance with claim 11, wherein said coating has a resistivity of from about 10^6 to about 10^9 ohms-cm.

13. A donor member in accordance with claim 12, wherein said coating has a resistivity of about 10^8 ohms-cm.

14. A donor member in accordance with claim 1, wherein said coating is coated on said substrate by a thermal spray process.

15. A donor member in accordance with claim 1, wherein said substrate is in the form of a cylindrical roll.

16. A donor member in accordance with claim 1, wherein said coating has a thickness of from about 200 to about 400 microns.

17. A donor member in accordance with claim 1, further comprising an outer protective layer positioned on said coating.

18. A donor member in accordance with claim 17, wherein said outer protective layer comprises a material selected from the group consisting of polysilicates, polycarbonates, polyimides, polyamides, polyesters, polysiloxanes, polyesters and mixtures thereof.

19. An apparatus for developing a latent image recorded on a surface, comprising:

- a) wire supports;
- b) a donor member spaced from the surface and being adapted to transport toner to a region opposed from the surface, wherein said donor member comprises a substrate and thereover a coating comprising ceramic and metal; and
- c) an electrode member positioned in the space between the surface and said donor member, said electrode member being closely spaced from said donor member and being electrically biased to detach toner from said donor member thereby enabling the formation of a toner cloud in the space between said electrode member and the surface with detached toner from the toner cloud developing the latent image.

20. An image forming apparatus for forming images on a recording medium comprising:

- a) a charge-retentive surface to receive an electrostatic latent image thereon;
- b) a development component to apply toner to said charge-retentive surface to develop said electrostatic latent image to form a developed

image on said charge retentive surface, said development component comprising a donor member comprising a substrate and thereover a coating comprising ceramic and metal; and

c) a transfer component to transfer the developed image from said charge retentive surface to a copy substrate.